

IN THE CLAIMS

1. (Currently Amended) A software-implemented method of configuring a computer to associate with one or more wireless networks through a corresponding wireless communication link, comprising:

creating a plurality of computer profiles for connection to at least one of the wireless networks, ~~each network having an associated Service Set identifier~~, wherein each ~~at least one~~ of the plurality of computer profiles includes ~~the~~ a network identifier corresponding to a different wireless network;

using ~~the~~ at least one of the plurality of computer profiles to cause the computer to recognize the at least one of the wireless networks; and

creating ~~a~~ the wireless communication link between the computer and the at least one of the wireless networks.

2. (Previously Presented) The method of claim 1, further comprising:

using variable network parameters such as encryption key status, frequency, and power requirements to create the at least one of the plurality of computer profiles.

3. (Previously Presented) The method of claim 1, wherein the software is integrated into an operating system of the computer.

4. (Currently Amended) The method of claim 1, further comprising:

encrypting ~~the~~ data passing over the communication link between the computer and the at least one of the networks.

5. (Currently Amended) The method of claim 1, further comprising:
programming the computer to contain said plurality of computer profiles to recognize and
connect with multiple unrelated networks of the one or more wireless networks.
6. (Currently Amended) The method of claim 5 further comprising:
creating an additional computer profile; and
associating said additional computer profile to the one or more of the wireless networks.
7. (Previously Presented) The method of claim 1, further comprising:
associating each computer profile with a wireless network based on a priority value until
there is a successful association or a list of profiles is exhausted.
8. (Currently Amended) The method of claim 7, further comprising:
incrementing a counter associated with a selected computer profile each time that
computer profile is matched to a network of the one or more wireless networks.
9. (Currently Amended) The method of claim 8, further comprising:
utilizing a counter value to prioritize subsequent associations of the plurality of computer
profiles and the one or more wireless networks.
10. (Previously Presented) The method of claim 7, further comprising:

storing the name of an associated computer profile for use by other programs.

11. (Currently Amended) A method of creating a plurality of network profiles for configuring a computer to connect to a wireless network ~~using a graphical user interface (GUI)~~ comprising:

prompting ~~the a~~ user to enter profile information associated with multiple wireless networks ~~within a wireless network~~;

~~entering~~ receiving the profile information to create the plurality of network profiles; and

~~storing~~ creating the plurality of network profiles ~~profile information for later retrieval to~~ allow a connection with one or more wireless networks available of said multiple wireless networks;

~~configuring the computer to connect to a particular wireless network available to the computer based on a particular profile.~~

12. (Currently Amended) The method of claim 11 wherein the profile includes an Extended Service Set Identifier corresponding to a particular wireless network.

13. (Original) The method of claim 11 further comprising:

providing the user with multiple graphical user interface (GUI) style screens, wherein the screens allow the user to enter variable network parameters such as encryption key status, frequency, and power requirements.

14. (Currently Amended) A method for enabling a mobile processor to connect to a plurality of wireless networks, comprising:

storing data representative of each of the plurality of wireless networks network;

acquiring signals from each available network of the plurality of wireless networks; and

enabling a user to select a particular network from the plurality of wireless networks.

15. (Currently Amended) An article comprising a computer-readable medium that stores computer-executable instructions for configuring a computer with a network through a wireless communication link, the instructions causing a computer to:

create a plurality of computer profiles for connection to at least one of the wireless

networks, ~~each network having an associated Service Set identifier~~, wherein each

~~at least one~~ of the plurality of computer profiles includes ~~the~~ a network identifier

corresponding to a different wireless network;

use ~~the~~ at least one of the plurality of computer profiles to cause the computer to

recognize the at least one of the wireless networks; and

create ~~a~~ the wireless communication link between the computer and the at least one of the

wireless networks.

16. – 21. (Cancelled)

22. (Currently Amended) A method of configuring a processor-based system for communications, the method comprising:

~~creating~~ storing a plurality of network profiles ~~for connection~~ to allow connections to one or more wireless networks available to the processor-based system, wherein each of the plurality of network profiles is associated with a different available wireless network;

selecting at least one of the plurality of network profiles based on at least one of the wireless networks available to the processor-based system; and

establishing a communication link between the processor-based system and the at least one of the wireless networks available to the processor-based system based on the selected network profile.

23. (Currently Amended) The method of claim 22, further comprising:
using variable network parameters ~~such as~~ at least one of encryption key status, frequency, and power requirements to create the at least one of the network profile.

24. (Previously Presented) The method of claim 22, wherein the method is performed by an operating system of the processor-based system.

25. (Currently Amended) The method of claim 22, further comprising encrypting ~~the~~ data passing over the communication link between the processor-based system and the at least one of the network.

26. (Currently Amended) The method of claim 22, further comprising allowing the processor-based system to use one or more of the plurality of network profiles to enable

communications with one or more of the ~~plurality of~~ wireless networks available to the processor-based system.

27. (Previously Presented) The method of claim 22, wherein selecting the at least one network profile comprises selecting the at least one of the plurality network profiles based on a priority scheme.

28. (Currently Amended) The method of claim 27, wherein selecting the at least one network profile based on the priority scheme comprises selecting the at least one network profile based on a communication characteristic of one of plurality of wireless networks associated with the network profile.

29. (Currently Amended) The method of claim 22, further comprising incrementing a counter associated with the selected network profile each time that profile is matched to one or more of the wireless networks.

30. (Currently Amended) The method of claim 29, further comprising utilizing the counter value to prioritize subsequent associations of the plurality of network profiles and the wireless networks.

31. (Currently Amended) The method of claim 27, wherein the priority scheme is based on at least one of an availability of the wireless network, quality of service associated with

the network, frequency of use of the wireless network by the processor-based system, and last usage of the network by the processor-based system.

32. (New) A method of wireless communications, the method comprising:

storing a plurality of network profiles in a processor-based system to allow connections to one or more wireless networks available to the processor-based system, wherein each of the plurality of network profiles is associated with a given wireless network;

determining one or more of the wireless networks that are available to the processor-based system for connection based on at least one of the plurality of network profiles; and

automatically establishing a wireless connection between the processor-based system and the at least one of the available wireless networks.

33. (New) The method of claim 32, wherein automatically establishing a wireless connection comprises:

establishing the wireless connection based on selecting one of the wireless networks based on a priority scheme.

34. (New) The method of claim 11 further comprising:

providing a graphical user interface (GUI) to the user to create the plurality of network profiles;

storing the plurality of network profiles for later retrieval; and

retrieving a particular network profile of the plurality of network profiles for configuring the computer to connect to a particular wireless network available for wireless communications.